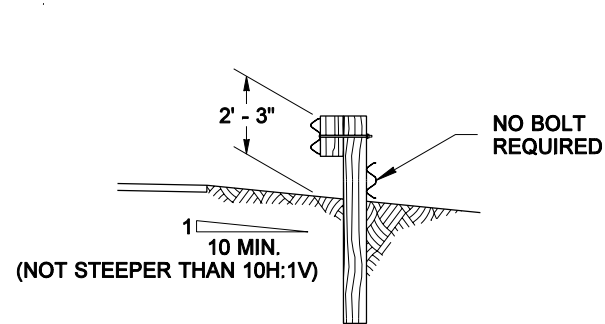
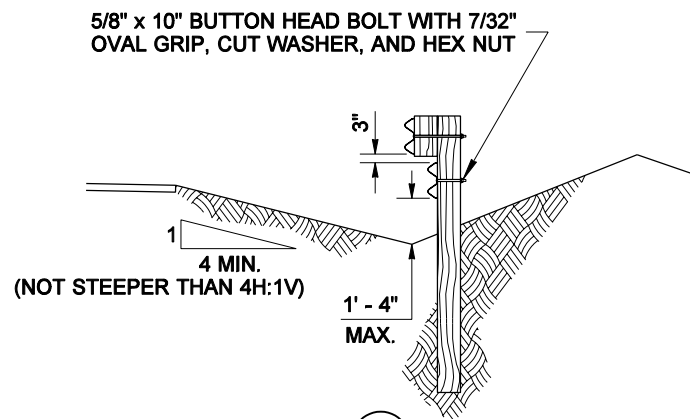


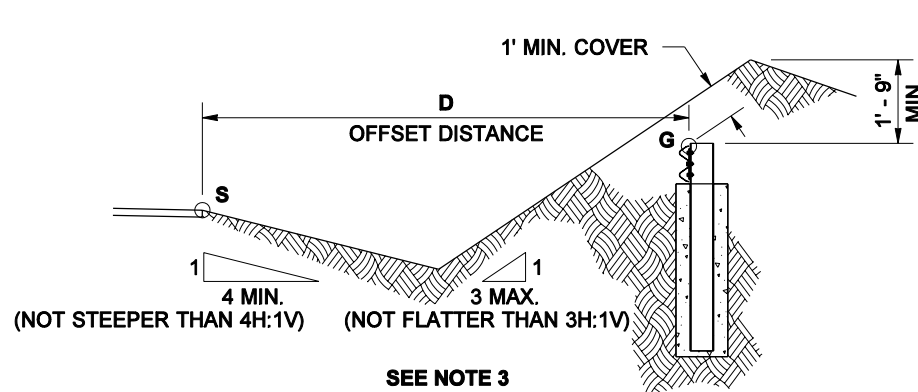
DRAWN BY: MARK SUJKA



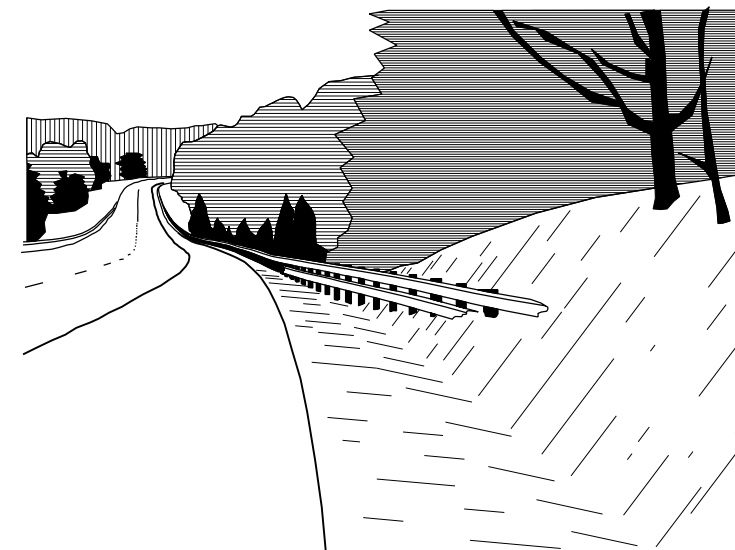
SECTION A



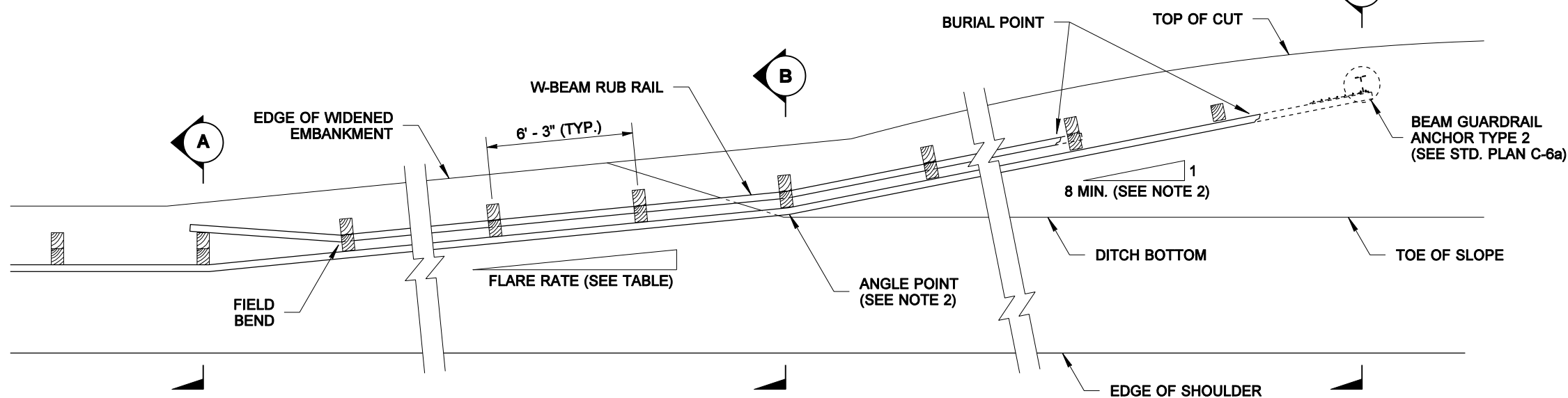
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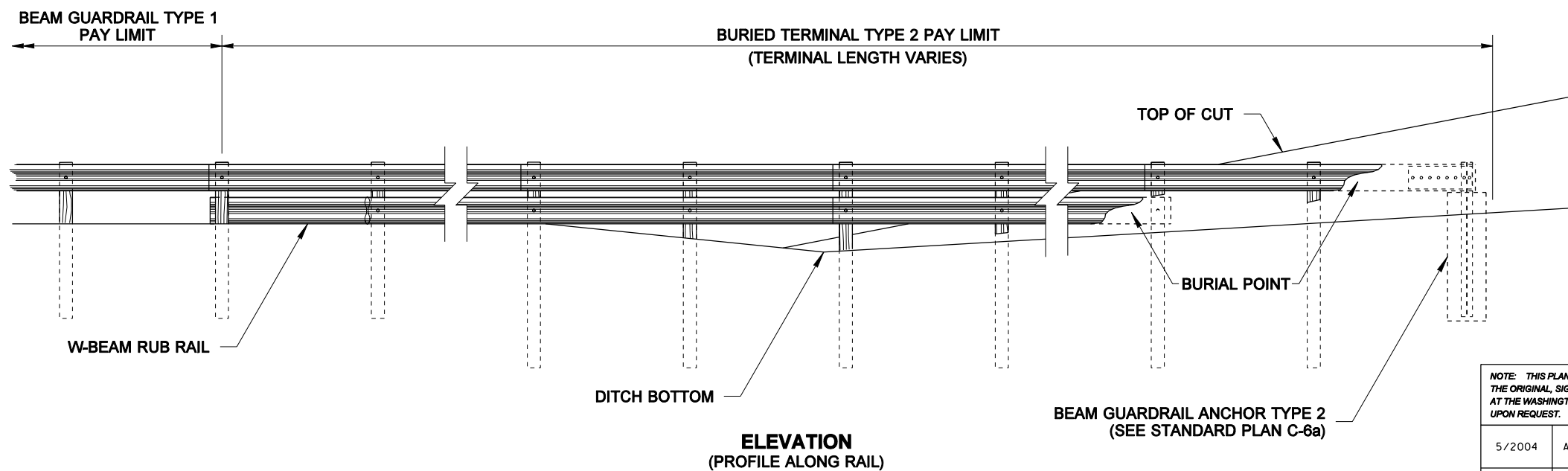
SECTION C



PERSPECTIVE



PLAN



NOTES

1. Posts installed on shoulder slopes steeper than 10H:1V shall be 8' long.
2. The flare rate of the guardrail may be steepened after crossing the ditch bottom to shorten the length of the terminal.
3. Determine the height of the W-Beam at the Anchor (G) by first calculating the perpendicular offset distance (D) from the edge of shoulder (S) to the Anchor (on station). Multiply that distance by 0.1, then subtract the product from the elevation of the same point (S) on the edge of shoulder used to obtain the offset distance (at the same station). Add 27" (2.25') to that remainder for a sum that equals the elevation of the top of the W-Beam at the Anchor.

Refer to SECTION "C":

$$\text{Elevation } G = (\text{Elevation } S - D(0.1)) + 27"$$

FLARE RATE TABLE	
RATE	POSTED SPEED (mph)
15 : 1	70
14 : 1	60
12 : 1	55
11 : 1	50
10 : 1	45
9 : 1	40 or less



EXPIRES JULY 24, 2006

BEAM GUARDRAIL BURIED TERMINAL TYPE 2 STANDARD PLAN C-4a

SHEET 1 OF 1 SHEET

APPROVED FOR PUBLICATION

Harold J. Peterfeso 02-25-05

STATE DESIGN ENGINEER

DATE



Washington State Department of Transportation

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE. THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

5/2004	ADDED FORMULA FOR GUARDRAIL HEIGHT	MAS
DATE	REVISION	BY